

## ABSTRACT

Disclosed herein are a high-molecular weight aliphatic polyester, whose molecular weight has been highly increased by a chain-lengthening reaction of a ring-opening (co)polymer of at least one cyclic ester selected from the group consisting of glycolide and lactide with an oxazoline compound, and a production process thereof. The molecular weight of the high-molecular weight aliphatic polyester is highly increased to the extent that a rate of increase in molecular weight represented by a ratio ( $Mw_2/Mw_1$ ) of a weight average molecular weight ( $Mw_2$ ) of a ring-opening (co)polymer after the chain lengthening to a weight average molecular weight ( $Mw_1$ ) of the ring-opening (co)polymer before the chain lengthening amounts to at least 1.10.